



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Kenichi SUZUKI et al.)	
)	
Application No.:	10/535,264)	Group Art Unit: 1771
)	
Filed:	May 17, 2003)	Examiner: Jennifer A. CHRISS
)	
Title:	EXTENSIBLE NONWOVEN FABRIC)	Confirmation No.: 3874
	AND COMPOSITE NONWOVEN)	
	FABRIC COMPRISING SAME)	
)	
)	

DECLARATION UNDER 37 C.F.R. §1.182

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I, Kenichi Suzuki, hereby declare as follows:

1. I am a Japanese citizen.
2. I graduated from Nagasaki University, Faculty of Mechanical System Engineering, with a Master Degree in March of 1997.
3. I have been employed with MITSUI CHEMICALS, INC. (hereinafter "MITSUI") since April of 1997, and have continued my employment with MITSUI until the present time. From April of 1997 to March of 2000, I was a researcher in the Polymer Laboratory, in Nagoya City, engaged in the areas of resin finishing (film, non-woven fabric). From April of 2004 to the present time, I have been working as a researcher at the Development Center, Department of Development of Composite Technology in Yokkaichi and Sodegaura, engaged in the area of resin finishing (non-woven fabric).
4. I am a co-inventor of the present invention. I have read and am familiar with the above-identified United States patent application filed May 17, 2005, the Office Action and the references cited therein.
5. The following experiments were conducted by me or under my direct supervision.

Experiments

Additional Experiments 1 and 2 were performed and the results are summarized in the following table, together with other properties thereof:

	Additional Experiment 1	Additional Experiment 2	Example 9	Example 10	Example 11
Core, Polymer type /wt%	PP5/50	PP5/20	PP2/20	PP2/50	PP3/20
Sheath, Polymer type /wt%	PP3/50	PP3/80	PP5/80	PP5/50	PP5/80
Extensibility at maximum load, MD/CD %	60/57	52/35	131/192	128/112	95/89
Note		Component polymer ratio is modified			The core and sheath polymer are opposite

	SIC induction period at 140 °C, sec	MFR, g/10min.	MT, °C	Mw/Mn	Static Tc, °C
PP2	319	30	162	2.8	136
PP3	399	60	162	2.6	136
PP5	>7200	60	138	2.5	114

From the table 1 in the specification

Additional Experiment 1 was the same as Example 11 in the specification of the above-identified application, except that PP5 was used in place of PP3 in the core portion, PP3 was used in place of PP5 in the sheath portion, and that the core/sheath weight ratio was changed from 20/80 to 50/50. Additional Experiment 2 was the same as the additional Experiment 1, except that the core/sheath weight ratio was changed from 50/50 to 20/80. The Extensibility at maximum load (%) of the resultant spun bonded nonwoven fabric was tested and the results are shown in the following table with the results of Examples 9 to 11 in the specification. The nonwoven fabric of the additional Experiment 1 does not satisfy the requirement of the present invention that the polymer having the earliest induction period of strain-induced crystallization is contained in an amount of 1 to 30 Wt% of the fiber and the core resin has the earliest induction period of strain-induced crystallization. The nonwoven fabric of the additional Experiment 2 does not satisfy the requirement of the present invention that the core resin has the earliest induction period of strain-induced crystallization.

The nonwoven fabric that does not satisfy the requirement of the present invention showed inferior property in terms of extensibility at maximum load.

6. I declare further that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Respectfully submitted,

鈴木 健一
Kenichi SUZUKI

2008. 5. 12
Date